

### ABSTRACT OF DISCLOSURE

An air cleaning robot and a system thereof which are capable of performing air cleaning while traveling around a predetermined area. The air cleaning robot includes a robot body, a driving part for driving a plurality of wheels disposed at lower portions  
5 of the robot body, an air cleaning part disposed in the robot body, for drawing-in dust-laden air from a cleaning area, air filtering, and discharging cleaned air. A controller is disposed in the robot body for controlling the air cleaning part and the driving part. Accordingly, since the air cleaning robot and the system thereof perform air cleaning while traveling automatically around a predetermined area, there is an  
10 improvement in a residential household, living environment, and less of an inconvenience to operate.